

REELTIME 4

FOUR CHANNEL MPEG-2 PCI DECODER CARD

FEATURES

4 MPEG-2 audio/video playback channels on one PCI board

Multiple boards can operate in one computer

4-Channel Genlock & A/V switching daughter card

NTSC or PAL, Composite, S-video or RGB output

720x480 on-screen display

NT Drivers and full SDK

Supports Windows NT

BENEFITS

Centralize control over all video content in a single system

High resolution video and CD-quality audio

Reduce cost per channel in multichannel systems

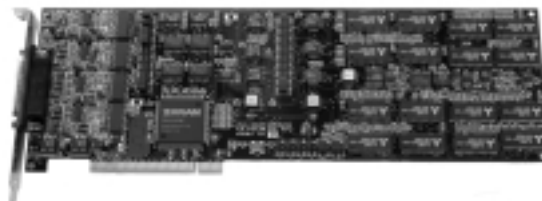
Greater reliability, control and flexibility than "consumer-grade" cards

Cross channel "frame accurate" synchronization

The ReelTime 4 is a multichannel MPEG-2 playback card for PC compatibles. Capable of decoding four MPEG-2 streams simultaneously to RGB, S-video or composite outputs, with MUSICAM stereo audio. Complete with an extensive development library and support for Windows NT, the ReelTime 4 fits into a wide variety of commercial video applications. Because of its advanced hardware decoding, this PCI bus card is particularly well suited for multi-card systems requiring more than 4 streams of video and/or audio. An on-screen display allows graphics or text information to be overlaid on the video with varying degrees of transparency. The ReelTime 4 board also boasts software-controlled frame-accurate cross-channel synchronization as well as play list support with seamless transitions between MPEG files. Cross-server synchronization is also supported.

Developed for industrial-strength commercial applications, the ReelTime 4 offers a mix of features, reliability and flexibility unmatched within the industry. Control of the ReelTime 4 board is achieved through use of the Software Developer's Kit. The ReelTime 4 is deployed worldwide in a wide variety of applications, ranging from location-based entertainment and retail visual merchandising applications to cable television ad insertion and private brand-marketing networks.

An optional RT Daughter card is available which allows for clean switching between the audio/video output of the ReelTime 4 MPEG-2 board and an external audio/video source. A genlock and black-level clamp permits flawless switching between video sources. The video switch can be set to display the output of the board or an external video source. Each of the four channels can be controlled independently. While genlocked, if there is a loss of sync or sync disturbance in the external video, the circuitry will automatically insert the missing sync or instantly switch to an internally generated sync.



VISUAL
CIRCUITS

www.visualcircuits.com

VISUAL
CIRCUITS

MASTERS OF DIGITAL VIDEO

REELTIME 4 SPECIFICATIONS

PLAYBACK RATE	30fps NTSC; 25fps PAL
VIDEO OUTPUT	Composite, S-video, RGB; Channel-by-Channel software selectable
AUDIO OUTPUT	MPEG-1, MPEG-2 stereo CD-quality audio (MUSICAM)
VIDEO STANDARDS	NTSC or PAL software selectable
AUDIO / VIDEO DECOMPRESSION	MPEG-1 ISO 11172 and MPEG-2 ISO13818 audio, video and system bit streams; Decodes Main Profile at Main Level MPEG-2 streams; Decodes program or elementary audio and video streams.
GENLOCKING	An optional daughter card genlocks to external video sources; includes an A/V switch that selects MPEG-2 or external audio/video; volume and tone control
CHIPSET	LSI 64002 MPEG decoder, 2MB RAM per channel
MAXIMUM BIT RATE	15 Mbps per channel, 40 Mbps total per card
ON-SCREEN DISPLAY	16 color GIF from 65K palette: Adjustable transparency levels
OPERATING SYSTEM	Supports Windows NT 4.0
AV BREAKOUT OPTIONS	BNC x 4, S-video x 4, terminal post audio

SOFTWARE OPTIONS

SOFTWARE DEVELOPER'S KIT	A complete C programming library with sample source code and function calls to the base board and daughter card.
VIDCOM AND VIDTCP	Complete serial command library (RS232 or RS422) & TCP/IP command library.
POPUP/POPDOWN	Provides time/day scheduled play list creation and remote content and playback management. Used in retail "Point-of-Purchase" applications.

© 2001 Visual Circuits Corporation. Visual Circuits reserves the right to make changes to specifications at any time and without prior notice. The information contained herein is believed to be accurate and reliable, however no responsibility is assumed by Visual Circuits for its use, nor any infringement of patents or other rights of third parties resulting from its use.

VISUAL CIRCUITS CORPORATION
 5155 East River Road, Suite 401
 Minneapolis, MN 55421 USA
 Voice 763-571-7588
 Toll Free 800-250-5533
 Fax 763-571-7688

visualcircuits.com

